

# Bill Tyros

Montreal, Canada    [strategineer.com](http://strategineer.com)    [me@strategineer.com](mailto:me@strategineer.com)    [github.com/strategineer](https://github.com/strategineer)

- Software engineer with 13+ years of experience in the video game, VFX, financial and hospitality industries.

## Work Experience

### Senior Software Engineer @ Sonder (2022-Present)

- Developed dynamic pricing system in Python to price inventory based on supply/demand.
- Developed 3rd party distribution system in Ruby to sync inventory on Airbnb, Booking.com, Expedia, etc.
- Upgraded +300k LOC legacy Ruby on Rails codebase to Ruby 3.0 and the Rails 7.1.

### Software Engineer @ Morgan Stanley (2019-2022)

- Developed system in Python to aggregate data from in-house and vendor sources, analyze and present it to devs (badges to encourage best practices) and to management (metrics/charts to guide decision-making).
- Developed self-service web apps in Typescript/Angular2 (querying agile/devops metrics, JIRA admin).

### Programmer @ Framestore VR (2017-2019)

- Built an art asset pipeline for UE4, writing plugins in C++ and Python code to glue everything together.

### Programmer @ Borealys Games (2016-2017)

- Developed UI and various gameplay systems in Unity (C#) on Mages of Mystralia.

## Skills / Technologies

- Languages: Python, Ruby, C#, Go, Typescript, Javascript, C++
- CI: Github Actions, Jenkins, Buddy, CircleCI

## Recent Personal Projects

- Caves of Qud game mods coded in C# through reverse engineering and code injection.
- Tampermonkey scripts to link bookoutlet.ca with goodsreads.com to improve the browsing experience.

## Education

Interactive Real Time Systems Development @ University of Sherbrooke (2016)

B.Sc. Software Engineering (Honours) @ McGill University (2015)